

Scaled data based on original data using
LM-79-08 Approved Method: Electrical and Photometric Measurements of Solid-State
Lighting Products

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: METALUX

Report Number: P#

Luminaire Tested: **8SNLED-LD5-54SL-SLW-UNV-L930-CD1-U**

Issue Date: 3/3/2020

Test Information

Test Method: LM-79-08
Report Number: P#
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P27403)
Test Lab: INNOVATION CENTER-P2
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: METALUX
Catalog Number: 8SNLED-LD5-54SL-SLW-UNV-L930-CD1-U
Description: 8FT LINEAR SNLED LED FIXTURE
SQUARE FROSTED LENS
Light Source: -
Ballast/Driver: -

Summary

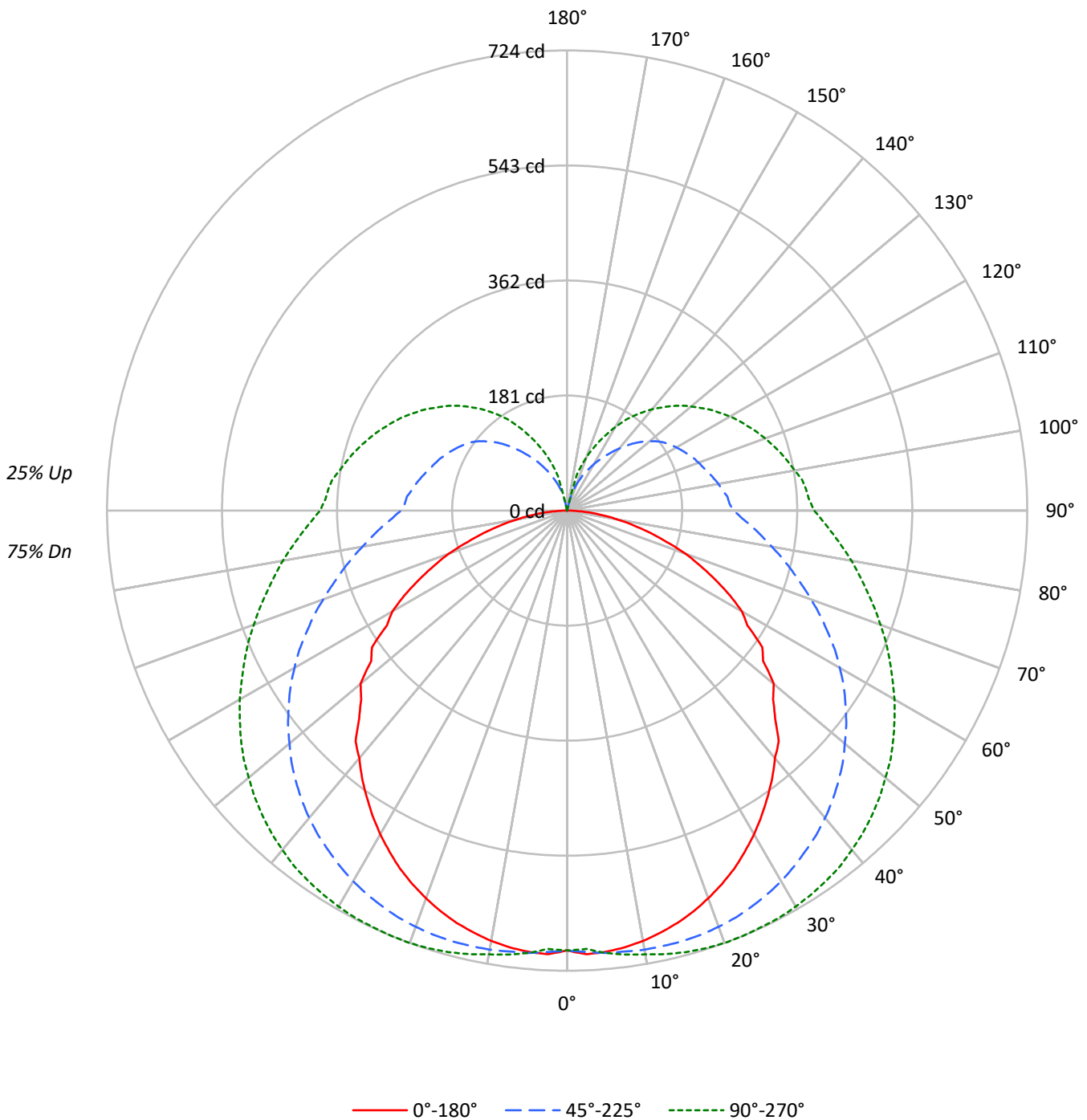
Lumens per Lamp: N/A
Luminaire Lumens: 3986.0 lumens
Efficiency: N/A
Efficacy: 94.9 lumens/watt
Spacing Criteria (0/90/45): 1.26 / 1.56 / 1.59
Luminous Opening: Rectangular w/ Sides (W: 0.33' x L: 8' x H: 0.12')
CIE Type: Semi-Direct

Input Watts (W): 42
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20	
RC	80					70					50					30					10	0
RW	70	50	30	10	70	50	30	10	50	30	10	50	30	10	50	30	10	50	30	10	0	
RCR																						
0	113	113	113	113	107	107	107	107	97	97	97	88	88	88	79	79	79	75				75
1	100	94	89	84	95	89	84	80	80	76	73	72	69	66	64	62	60	56				56
2	90	80	72	66	85	76	69	63	68	63	58	61	57	53	55	51	48	44				44
3	81	69	60	53	76	66	58	51	59	53	47	53	48	43	47	43	39	36				36
4	74	61	51	44	69	58	49	43	52	45	39	47	41	36	42	37	33	30				30
5	67	54	44	37	63	51	43	36	46	39	33	42	35	31	37	32	28	25				25
6	62	48	39	32	58	46	37	31	41	34	29	37	31	27	34	28	24	22				22
7	57	43	34	28	54	41	33	27	37	30	25	34	28	23	30	25	21	19				19
8	53	39	31	25	50	37	29	24	34	27	22	31	25	21	28	23	19	17				17
9	49	36	27	22	47	34	26	21	31	24	20	28	23	18	26	21	17	15				15
10	46	33	25	20	44	31	24	19	29	22	18	26	21	16	24	19	15	13				13

AVERAGE LUMINANCE (cd/sqm):

	0°	45°	90°
0°	2797	2797	2797
5°	2823	2767	2744
10°	2813	2744	2728
15°	2798	2732	2734
20°	2775	2723	2739
25°	2753	2715	2744
30°	2720	2709	2758
35°	2683	2702	2777
40°	2648	2703	2795
45°	2603	2700	2817
50°	2618	2697	2839
55°	2582	2701	2874
60°	2498	2708	2913
65°	2374	2715	2967
70°	2238	2742	3050
75°	1990	2814	3173
80°	1723	2962	3378
85°	1365	3256	3677



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	66.5	1.7
10°-20°	197.2	4.9
20°-30°	313.4	7.9
30°-40°	402.2	10.1
40°-50°	454.2	11.4
50°-60°	463.5	11.6
60°-70°	429.4	10.8
70°-80°	363.5	9.1
80°-90°	290.2	7.3
90°-100°	246.4	6.2
100°-110°	219.5	5.5
110°-120°	187.0	4.7
120°-130°	148.5	3.7
130°-140°	105.3	2.6
140°-150°	62.9	1.6
150°-160°	29.3	0.7
160°-170°	7.0	0.2
170°-180°	0.0	0.0
0°-30°	577.1	14.5
0°-40°	979.4	24.6
0°-60°	1897.0	47.6
0°-90°	2980.1	74.8
90°-120°	652.9	16.4
90°-150°	969.6	24.3
90°-180°	1006.0	25.2
0°-180°	3986.0	100.0

CANDELA DISTRIBUTION:

	0°	22.5°	45°	67.5°	90°	Flux
0°	692	692	692	692	692	
5°	697	691	699	699	699	66
15°	672	677	702	715	719	189
25°	622	642	688	712	723	286
35°	550	590	654	694	711	344
45°	463	526	603	656	678	359
55°	375	437	535	600	627	329
65°	257	342	452	530	560	255
75°	135	239	366	456	488	144
85°	35	154	292	387	420	38
90°	2	126	261	356	389	3
95°	0	118	253	346	378	0
105°	0	109	230	318	348	0
115°	0	101	210	286	314	0
125°	0	87	186	252	276	0
135°	0	65	150	213	232	0
145°	0	42	105	159	182	0
155°	1	26	65	97	121	0
165°	1	14	29	40	57	0
175°	0	0	0	0	0	0
180°	0	0	0	0	0	0



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CANDELA DISTRIBUTION (FULL):

	0°	22.5°	45°	67.5°	90°
0°	692.2	692.2	692.2	692.2	692.2
2.5°	698.7	691.2	695.0	694.1	690.3
5°	696.9	691.2	698.7	698.7	698.7
7.5°	693.1	689.4	699.7	703.4	704.4
10°	687.5	687.5	701.5	707.2	709.0
12.5°	680.0	682.8	701.5	710.0	714.7
15°	671.6	677.2	701.5	714.7	719.3
17.5°	661.3	670.6	699.7	715.6	722.2
20°	649.1	663.1	696.9	715.6	724.0
22.5°	636.0	653.8	693.1	713.7	724.0
25°	621.9	642.5	687.5	711.9	723.1
27.5°	605.1	631.3	680.9	709.0	722.2
30°	588.2	618.2	673.4	705.3	719.3
32.5°	569.5	604.1	664.1	699.7	715.6
35°	549.8	590.1	653.8	694.1	710.9
37.5°	530.1	573.2	643.5	686.6	705.3
40°	508.6	556.4	631.3	677.2	696.9
42.5°	492.7	538.6	618.2	667.8	688.4
45°	462.7	525.5	603.2	655.7	678.1
47.5°	439.3	500.2	588.2	643.5	666.9
50°	424.3	479.6	570.4	629.4	653.8
52.5°	388.7	465.5	553.6	615.4	641.6
55°	374.7	437.4	534.8	600.4	626.6
57.5°	336.3	417.7	516.1	583.5	610.7
60°	317.5	390.6	495.5	566.7	594.8
62.5°	288.5	367.2	474.9	547.9	577.0
65°	256.6	341.9	452.4	530.1	560.1
67.5°	226.7	316.6	430.9	511.4	543.3
70°	197.6	290.4	408.4	492.7	524.5
72.5°	163.9	264.1	386.8	474.9	506.7
75°	134.9	238.8	366.2	456.1	488.0
77.5°	106.8	214.5	346.6	439.3	471.1
80°	80.6	191.1	326.9	421.5	454.3
82.5°	56.2	171.4	309.1	404.6	436.5
85°	34.7	153.6	292.2	386.8	419.6
87.5°	15.9	137.7	275.4	370.0	403.7
90°	1.9	125.5	261.3	355.9	388.7
92.5°	0.9	121.8	255.7	349.4	381.2
95°	0.0	118.0	252.9	345.6	377.5
97.5°	0.0	114.3	246.3	340.0	372.8
100°	0.0	112.4	241.7	331.6	363.4
102.5°	0.0	109.6	236.0	324.1	355.9
105°	0.0	108.7	230.4	317.5	348.4
107.5°	0.0	106.8	224.8	309.1	340.0
110°	0.0	104.9	220.1	301.6	331.6



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CANDELA DISTRIBUTION (continued):

	0°	22.5°	45°	67.5°	90°
112.5°	0.0	103.0	215.4	294.1	323.1
115°	0.0	101.2	209.8	285.7	313.8
117.5°	0.0	98.3	204.2	277.2	305.3
120°	0.0	94.6	198.6	269.8	296.0
122.5°	0.0	90.9	192.9	260.4	285.7
125°	0.0	87.1	186.4	252.0	276.3
127.5°	0.0	81.5	178.9	242.6	265.1
130°	0.0	75.9	169.5	233.2	254.8
132.5°	0.9	70.2	160.2	222.9	244.5
135°	0.0	64.6	149.9	212.6	232.3
137.5°	0.0	59.9	138.6	201.4	220.1
140°	0.0	54.3	127.4	188.3	207.9
142.5°	0.0	47.8	116.1	174.2	194.8
145°	0.0	42.1	104.9	159.2	181.7
147.5°	0.9	37.5	94.6	143.3	167.7
150°	0.9	33.7	84.3	127.4	151.7
152.5°	0.9	30.0	74.0	112.4	135.8
155°	0.9	26.2	64.6	97.4	120.8
157.5°	0.9	22.5	54.3	82.4	104.9
160°	0.9	19.7	45.0	69.3	89.9
162.5°	0.9	16.9	36.5	54.3	74.0
165°	0.9	14.0	29.0	40.3	57.1
167.5°	0.0	0.0	0.0	0.0	0.0
170°	0.0	0.0	0.0	0.0	0.0
172.5°	0.0	0.0	0.0	0.0	0.0
175°	0.0	0.0	0.0	0.0	0.0
177.5°	0.0	0.0	0.0	0.0	0.0
180°	0.0	0.0	0.0	0.0	0.0

(END OF REPORT)